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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/734,171	12/15/2003	Vernon Meadows	BS00-035-CON	2159
7590		10/01/2004	EXAMINER	
Shaw Pittman LLP		TRIEU, VAN THANH		
1650 Tysons Boulevard		ART UNIT		
McLean, VA 22102		PAPER NUMBER		
		2636		

DATE MAILED: 10/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/734,171

Applicant(s)

MEADOWS ET AL.

Examiner

Van T Trieu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Preliminary Amendment filed on 1/23/04.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 42-63 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 42-63 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 1/23/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities: in the Response To Notice of Non-Compliant Amendment filed on 03 August 2004, page 1, last line, after the year "2000" insert ---, now U.S. Patent No. 6,690,292 ---

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

2. Claims 42-63 are rejected under 35 U.S.C. 102(e) as being anticipated by **Drury et al** [US 6,707,421].

Regarding claim 42, the claimed plurality of motion sensors (the sensors 230, 232, 234 for detecting vehicle velocity and vehicle orientation, the state of the vehicle, a gyroscope or accelerometer for determining the rotation rate of the vehicle, a differential velocity sensor to provide relative wheel speeds, see Fig. 10, col. 10, lines 34-50); and the database receiving and storing the detected traffic information and advertising information (the in-vehicle database 432 of the static storage 22 for receiving and

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storing the detected vehicle information data including advertisement information, see Figs. 24A, 4B, 5, 11-14 and 22, col. 2, lines 57-67, col. 3, lines 1-11, col. 14, lines 62-67, col. 15-17, col. 18, lines 1-20, col. 39, lines 8-23, col. 40, lines 52-64, col. 44, lines 49-66 and col. 45, lines 20-56); and the database is configured to presented at least a portion of the advertising information of advertisers when at least a portion of the detected traffic information is requested (see col. 40, lines 52-64, col. 44, lines 57-65 and col. 45, lines 20-30).

Regarding claim 43, all the claimed subject matters are cited in respect to claim 42 above and including the wherein the plurality of motion sensors transmit the detected traffic information in programmed periodic intervals, variable according to time, such that motion sensors transmit more frequently during time intervals of historically high traffic volume (the detected speed, distance and direction of the traveling vehicle are transmitted periodically by onboard programmable computer 210, according to time of day, night or busy hour, which the traffic information data transmit at various alternative intervals of traffic profile data, see Figs. 2, 5-14, 19, 23C, col. 10, lines 36-50, col. 31, lines 26-57 and col. 32, lines 12-42).

Regarding claim 44, all the claimed subject matters are cited in respect to claim 42 above, wherein the advertising information is presented to the user or driver from the server before traveling on the road.

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Regarding claim 45, all the claimed subject matters are cited in respect to claim 42 above, and including the restaurant, see col. 40, line 56.

Regarding claim 46, the method claimed limitations are met by the apparatus claim 42 above.

Regarding claim 47, all the claimed subject matters are cited in respect to claims 44 and 46 above.

Regarding claim 48, all the claimed subject matters are cited in respect to claim 46 above, and including the storing mapping information (the in-vehicle database 432 receives and stores mapping information from a map data 360 and a server mapping database 520, see Figs. 3 and 5).

Regarding claim 49, all the claimed subject matters are cited in respect to claim 46 above, wherein the in-vehicle database stores the advertising information of advertisers, see col. 40, lines 52-64, col. 44, lines 57-65 and col. 45, lines 20-30).

Regarding claim 50, all the claimed subject matters are cited in respect to claim 46 above, and including receiving requests for geographic direction from a starting location to a destination location (the route planning, see Figs. 15A and 23C, col. 22, lines 16-67, col. 23, lines 1-67 and col. 24, lines 1-67).

Regarding claim 51, all the claimed subject matters are cited in respect to claim 50 above, and the transmitting advertising information of at least one advertiser having a geographic location within a predetermined distance from the destination location, see col. 40, lines 52-64, col. 44, lines 57-65 and col. 45, lines 20-30).

Regarding claim 52, all the claimed subject matters are cited in respect to claim 46 above, and including the cellular telephone 254 or 2320, see Figs. 2, 23A and 23B.

Regarding claim 53, the method claimed limitations are met by the apparatus claims 42 and 50 above, and including overlaying the traffic information (the translucent overlay 2550 over a display 2540, see Figs. 2 and 25, col. 3, lines 38-47, col. 46, lines 16-43 and col. 47, lines 63-67).

Regarding claim 54, all the claimed subject matters are cited in respect to claim 53 above, and including the GPS receiver 252, see Figs. 1-5, 15 and 16, col. 5, lines 45-54).

Regarding claim 55, all the claimed subject matters are cited in respect to claims 46 and 47 above, and including the wireless network (the cellular telephone network 2320, the paging system 2264, see Figs. 2, 22 and 23).

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Regarding claim 56, all the claimed subject matters are cited in respect to claims 46, 47 and 55 above.

Regarding claim 57, all the claimed subject matters are cited in respect to claim 46 above, and including the Internet server computer 125, see Figs. 2, 3 and 5, col. 12, lines 39-42, col. 39, lines 38-52 and col. 40, lines 4-16).

Regarding claim 58, the method claimed limitations are met by the apparatus claims 42 and 44 above.

Regarding claim 59, all the claimed subject matters are cited in respect to claims 47 and 58 above.

Regarding claim 53, the method claimed limitations are met by the apparatus claims 43 and 58 above.

Regarding claim 61, the method claimed limitations are met by the apparatus claims 49 and 58 above.

Regarding claim 62, the method claimed limitations are met by the apparatus claims 50 and 58 above.

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Regarding claim 63, the method claimed limitations are met by the apparatus claims 51 and 62 above.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kolls discloses an in-vehicle device data communicating with data processing resources periodically through Internet, GPS, cellular telephone and wireless devices. The information data includes geographic mapping data, music, radio, advertising, promotional offers, coupons and other remote data communications. [US 6,615,186]

Wilson et al discloses a method and system for developing geospatial information concerning a particular area using a plurality of uncoordinated probe vehicles moving in the area. [US 6,385,539]

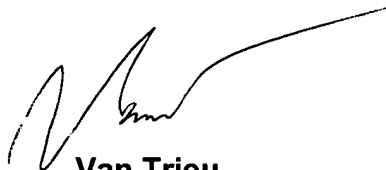
Schreder discloses an automobile equipped with an inertial measuring unit, an RF GPS satellite navigation unit and a local area digitalized street map system for precise electronic positioning and route guidance between departures and arrivals.

[US 5,504,482]

4. Any inquiry concerning this communication or earlier communications from examiner should be directed to primary examiner **Van Trieu** whose telephone number is (571) 272-2972. The examiner can normally be reached on Mon-Fri from 7:00 AM to 3:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. **Jeffery Hofsass** can be reached on (571) 272-2981.

A handwritten signature in black ink, appearing to read 'Van Trieu', with a long horizontal stroke extending to the right.

Van Trieu
Primary Examiner
Date: 9/24/04